

WHAT IS CLAIMED IS:

*Sub B1*  
1. A process for making polymeric particles comprising:

5 polymerizing an ethylenically unsaturated monomer as a dispersed phase suspended in an aqueous phase, said aqueous phase containing a water-insoluble particulate stabilizer having a size of less than 100 nm and an effective amount of water-soluble inorganic salt to allow formation of stable monomer droplets in the aqueous phase, said monomer droplets comprising at 10 least 20% of a carboxylic acid containing monomer.

15 2. The process according to claim 1, wherein the carboxylic acid containing monomer is selected from the group consisting of acrylic monomers, monoalkyl itaconates, monoalkyl maleates, citraconic acid and 17 styrenecarboxylic acid.

20 3. The process according to claim 1, wherein the carboxylic acid containing monomer is selected from the group consisting of acrylic acid and methacrylic acid.  
*Sub D2*

25 4. The process according to claim 1, wherein the water-insoluble particulate stabilizer comprises colloidal silica.

30 5. The process according to claim 1, wherein the water-soluble inorganic salts present in the aqueous phase is in a concentration of from 10% to 50%.

6. An ~~imaging~~ element comprising:  
a support, and

at least one layer containing polymer particles of the formula:

$$(A)_x(B)_y$$

where A is an ethylenically unsaturated monomer containing carboxylic acid groups, B is a water-insoluble ethylenically unsaturated monomer, x is greater than 20%, y is equal to (100% -x), said particles covered with a layer of a water-insoluble particulate stabilizer having a size less than 100 nm.

10

~~7. The imaging element according to claim 6,  
wherein monomer A is selected from the group consisting  
of acrylic monomers, monoalkyl itaconates, monoalkyl  
maleates, citraconic acid and styrenecarboxylic acid.~~

15

8. The imaging element according to claim 6,  
wherein the carboxylic acid containing monomer is  
selected from the group consisting of acrylic acid and  
methacrylic acid.

20

9. The imaging element according to claim 6,  
wherein monomer B is selected from the group consisting  
of alkyl esters of acrylic acid, alkyl esters of  
methacrylic acid, hydroxyalkyl esters of acrylic acid,  
hydroxyalkyl esters of methacrylic acid, nitriles of  
acrylic acid, nitriles of methacrylic acid, amides of  
acrylic acid, amides of methacrylic acid, vinyl  
esters, and vinyl aromatic compounds, dialkyl maleates;  
dialkyl itaconates; dialkyl methylene-malonates, esters  
of unsaturated monohydric alcohols with unsaturated  
monocarboxylic acids, dienes, esters of saturated  
glycols, esters of diols with unsaturated  
monocarboxylic acids, polyfunctional aromatic  
compounds, trimethanol propane trimethacrylate and

~~pentaerythritol tetramethacrylate.~~

10. The imaging element according to claim  
6, wherein the water-insoluble particulate stabilizer  
5 comprises colloidal silica.

ADD  
B21  
C3

卷之三